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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/824,838	04/15/2004	Peidong Wang	AHURA-10

CONFIRMATION NO. 6853

## FORMALITIES LETTER



\*OC000000014071618\*

Mark J. Pandiscio  
 Pandiscio & Pandiscio, P.C.  
 470 Totten Pond Road  
 Waltham, MA 02451-1914

Date Mailed: 10/13/2004

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted***Items Required To Avoid Abandonment:**

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.

Replies should be mailed to: Mail Stop Missing Parts  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center  
 Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



DEC 06 2004

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/824,838	04/15/2004	Peidong Wang	AHURA-10

CONFIRMATION NO. 6853

Mark J. Pandiscio  
Pandiscio & Pandiscio, P.C.  
470 Totten Pond Road  
Waltham, MA 02451-1914

FORMALITIES LETTER



\*OC000000013084217\*

Date Mailed: 06/28/2004

**NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION**

**FILED UNDER 37 CFR 1.53(b)**

*Filing Date Granted*

**Items Required To Avoid Abandonment:**

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- A replacement abstract not exceeding 150 words in length and commencing on a separate sheet in compliance with 37 CFR 1.72(b) and 37 CFR 1.121 is required.

**SUMMARY OF FEES DUE:**

Total additional fee(s) required for this application is \$65 for a Small Entity

- \$65 Late oath or declaration Surcharge.

**Items Required To Avoid Processing Delays:**

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- A new oath or declaration, identifying this application number is required. The oath or declaration does not

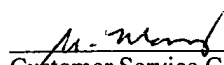
comply with 37 CFR 1.63 in that it:

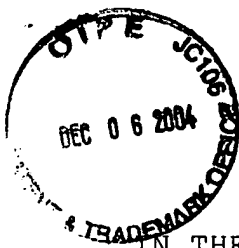
- does not identify the citizenship of each inventor.

Replies should be mailed to:    Mail Stop Missing Parts  
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   P.O. Box 1450  
   Alexandria VA 22313-1450

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*A copy of this notice **MUST** be returned with the reply.*

  
\_\_\_\_\_  
Customer Service Center  
Initial Patent Examination Division (703) 308-1202  
PART 2 - COPY TO BE RETURNED WITH RESPONSE



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Peidong Wang et al.  
Serial No.: 10/824,838  
Filed: 04/15/2004  
For: SPATIAL BANDGAP MODIFICATIONS AND ENERGY  
SHIFT OF SEMICONDUCTOR STRUCTURES  
Group Art Unit: 2828  
Examiner: Unknown  
Attorney's Docket No.: AHURA-10

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED  
WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL,  
POSTAGE PREPAID, IN AN ENVELOPE ADDRESSED TO: COMMISSIONER  
FOR PATENTS, PO BOX 1450, ALEXANDRIA, VA 22313-1450, ON:

December 1, 2004

(DATE OF DEPOSIT)

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

James A. Sheridan

(NAME OF ATTORNEY)

*James A. Sheridan* 12/1/04

(SIGNATURE)

December 1, 2004

(DATE OF SIGNATURE)

Sir:

RESPONSE TO OUTSTANDING NOTICE TO FILE MISSING PARTS OF  
NONPROVISIONAL APPLICATION - FILING DATE GRANTED

This is in response to the outstanding NOTICE TO FILE  
MISSING PARTS OF NONPROVISIONAL APPLICATION - FILING DATE  
GRANTED, mailed October 13, 2004, in connection with the  
above-identified patent application. This Notice called on  
Applicants to provide a signed Declaration for the case.

We believe that the NOTICE TO FILE MISSING PARTS OF  
NONPROVISIONAL APPLICATION - FILING DATE GRANTED was issued in  
error.

AHURA-10

Applicants note the Signed Declaration was filed in the patent application in a RESPONSE TO THE OUTSTANDING NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION - FILING DATE GRANTED, including a signed DECLARATION AND POWER OF ATTORNEY document listing the names of each of the inventors, specifically identifying the application by serial number and filing date, and signed by the inventors, Peidong Wang, Chih-Cheng Lu and Daryoosh Vakhshoori. This document was submitted on September 1, 2004.

A duplicate copy of the RESPONSE TO OUTSTANDING NOTICE TO FILE MISSING PARTS OF APPLICATION - FILING DATE GRANTED filed on September 1, 2004 is enclosed for the convenience of the Patent and Trademark Office.

In the event that any additional fees may be required to be paid in connection with this submission, please charge the same, or credit any overpayment, to Deposit Account No. 16-0221.

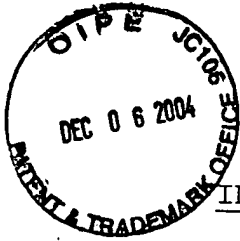
Respectfully submitted,

*James A. Sheridan 12/1/04*

James A. Sheridan  
Registration No. 43,114  
Pandiscio & Pandiscio  
470 Totten Pond Road  
Waltham, MA 02451-1914  
Tel No. (781) 290-0060

EC/AHURA10.MPR2

AHURA-10



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: -Peidong Wang et al.  
Serial No.: 10/824,838  
Filed: 04/15/2004  
For: SPATIAL BANDGAP MODIFICATIONS AND ENERGY  
SHIFT OF SEMICONDUCTOR STRUCTURES  
Group Art Unit: 2828  
Examiner: Unknown  
Attorney's Docket No.: AHURA-10

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FOR PATENTS, PO BOX 1450, ALEXANDRIA, VA 22313-1450, ON:

September 1, 2004

(DATE OF DEPOSIT)

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

James A. Sheridan

(NAME OF ATTORNEY)

*James A. Sheridan* 9/1/04  
(SIGNATURE)

September 1, 2004

(DATE OF SIGNATURE)

Sir:

RESPONSE TO OUTSTANDING NOTICE TO FILE MISSING PARTS OF  
NONPROVISIONAL APPLICATION - FILING DATE GRANTED

In response to the outstanding NOTICE TO FILE MISSING PARTS  
OF NONPROVISIONAL APPLICATION - FILING DATE GRANTED, Applicants  
hereby respectfully submit the following:

(1) a DECLARATION AND POWER OF ATTORNEY document listing  
the names of each of the inventors, specifically identifying the

AHURA-10

application by serial number and filing date, and signed by the inventors, Peidong Wang, Chih-Cheng Lu, and Daryoosh Vakhshoori;

(2) An Abstract that does not exceed 150 words in length, commencing on a separate sheet;

(3) a duplicate copy of the NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION - FILING DATE GRANTED, as requested in the Notice; and

(4) one (1) check in the amount of \$65.00 to cover the surcharge for the late filing of the Declaration, this charge having been calculated on the basis of Small Entity status.

In the event that any additional fees may be required to be paid in connection with this submission, please charge the same, or credit any overpayment, to Deposit Account No. 16-0221.

Respectfully submitted,

*James A. Sheridan* 9/1/04  
James A. Sheridan

Registration No. 43,114

Pandiscio & Pandiscio

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